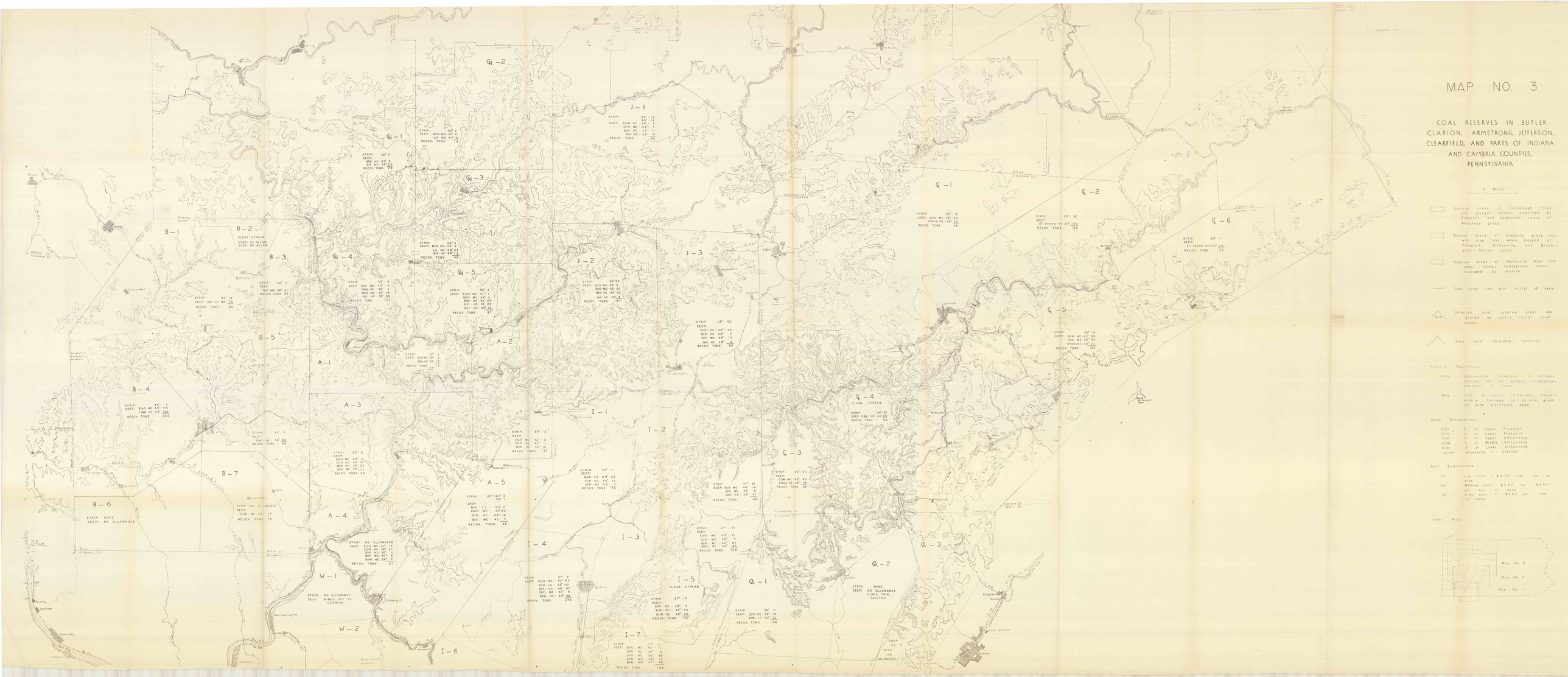
MAP NO. 3
COAL RESERVES IN BUTLER, CLARION, ARMSTRONG, JEFFERSON, CLEARFIELD, AND PARTS OF INDIANA AND CAMBRIA COUNTIES, PENNSYLVANIA
5 Miles
Outcrop areas of Conemaugh (Ccm) and younger rocks, underlain by Freeport and subjacent coals of Allegheny group
Outcrop areas of Allegheny group (Col), with crop lines where mapped of Freeport, Kittanning, and Brookville - Clarion coals
Outcrop areas of Pottsville (Cpv) and older rocks; commercial coals removed by erosion
Coal crop line, with initial of seam
Selected coal reserve area, designated by county initial plus number
Area with favorable reserves
Reserve Tabulations:
Strip: Recoverable tonnages in millions, totaled for seams; thickness averaged in inches
Deep: Total or cult. thickness; recoverable tonnage in millions, given for each significant seam
Seam Designations:
E(uf) - E or Upper Freeport
D(lf) - D or Lower Freeport
C(uk) - C or Upper Kittanning
C(mk) - C or Middle Kittanning
B(lk) - B or Lower Kittanning
(brcl) - Brookville — Clarion
Cost Evaluations:
LC - Low cost: ≤ $4.50 per ton of mine
MC - Medium cost: $4.50 to $5.50 per ton of mine
HC - High cost: ≥ $5.50 per ton of mine
Index Map
Map No. 3
Map No. 2
Map No. 1
B-1
B-2
CLEAN STREAM
STRIP: NO ALLOW.
DEEP: NO ALLOW.
B-3
B-4
STRIP: NONE
DEEP: NO ALLOWANCE
B-5
B-6
B-7
STRIP: NO ALLOWANCE
DEEP: NO ALLOWANCE
A-1
A-2
A-3
A-4
A-5
W-1
W-2
STRIP: NO ALLOWANCE
MINED OUT OR CAPTIVE
Gn-1
Gn-2
Gn-3
Gn-4
Gn-5
J-1
J-2
J-3
I-1
I-2
I-3
I-4
I-5
CLEAN STREAM
I-6
I-7
Ccl-1
Ccl-2
Ccl-3
Ccl-4
CLEAN STREAM
Ccl-5
Ccl-6
Ca-1
Ca-2
Ca-3
STRIP: NONE
DEEP: NO ALLOWANCE
COALS THIN, FAULTED
STRIP: NO ALLOWANCE
DEEP: NO ALLOWANCE